

Abstract

**Fuel Cell Reactant Flow Fields That Maximize
Planform Utilization**

Fuel cell reactant gas flow field plates (53, 84, 104) have flow channels (71, 98, 105, 106), with transverse portions (73, 100, 5 109) some of which have more than one groove (78, 79; 101, 103; 111, 112; 117, 118), thereby to adjust the planform shape of the reactant gas flow field.